

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 03/21455

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F01N3/28 D04H13/00 D04H1/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F01N D04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 290 522 A (ROGERS JOHN J ET AL) 1 March 1994 (1994-03-01) cited in the application column 1, line 44 -column 2, line 25; claims 1-13; figure 1; examples 1,2 ---	1-4, 7-11
Y	US 5 380 580 A (SANOCKI STEPHEN M ET AL) 10 January 1995 (1995-01-10) cited in the application examples 4,5 ---	5,6, 12-14
Y	WO 94 16134 A (MINNESOTA MINING & MFG) 21 July 1994 (1994-07-21) examples 4,5 ---	5,6 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
22 September 2003	02/10/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Mangin, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	US 6 231 818 B1 (TENEYCK JOHN D) 15 May 2001 (2001-05-15) cited in the application claims 1-36; figure 1 ---	1-14
A	EP 0 273 391 A (DENKI KAGAKU KOGYO KK) 6 July 1988 (1988-07-06) example 1 ---	1-14
A	EP 0 703 353 A (ISUZU CERAMICS RES INST) 27 March 1996 (1996-03-27) claims 1-9 ---	1-14
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